



Dart Hawkesbury
1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada
Tel (613) 632-5200
Fax 613 632-5246

Purchasing Receipts

PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Container No	Status	Receive Date	Price/Unit	Aging Days	Past Due	To	
PO040984	MES002-VC	11	1	Net 30	MT-O1-B-0.125X4.000	AISI O1 Tool Steel Bar 0.125 X 4.000				9	9/28/2018	9		S116905	Stock	10/9/2018	\$ 25.19 / ft	1		\$2:	
		14				MT-A513-T-0.500W0.065	A513 Seamless Alloy Steel Round Tubing 0.500"dia. x 0.065" Wall MATERIAL: ASTM A513 TYPE 5 (1020/1026) SEAMLESS ALLOY STEEL ROUND TUBING (DOM) ASTM A513 TYPE 5				24		19		S116906	Stock	10/9/2018	\$ 3.50 / ft	1		\$f
Total:										33			28								\$22:

Plex 10/10/2018 10:17 AM Dart.Duval.Patrick

METAUX SOLUTIONS INC
2625 BOUL JACQUES CARTIER EST
LONGUEUIL, QUEBEC
J4N 1L7 **Tel.:** 450 641-3330

Shipping Order 25/09/2018

Order : 138058
Reference : 40984
Bid : 29016
Ship : PICK UP / PICK UP

Customer: 6323336

DART AEROSPACE LTD
1270, ABERDEEN STREET
HAWKESBURY, ONTARIO
K6A 1K7

Ship To

Same

Tel.: 1 613 632-3336

Item No.	Description	Qty	Qty. Delivered	B/O Qty
	***** FACTURER E-MAIL ***** SUPER IMPORTANT SUR LE PACKING SLIP INSCRIRE LES HEAT N			
	***** FACTURER E-MAIL ***** SUPER IMPORTANT SUR LE PACKING SLIP INSCRIRE LES HEAT N			
	***** FACTURER E-MAIL ***** SUPER IMPORTANT SUR LE PACKING SLIP INSCRIRE LES HEAT N			
AS04024	ALU SHE .040 2024-T3 ALCLAD 2 pces 4" X 12' ***** ✓ ht:275893b6 AT	2	2	Ø
SR584	304 ROU .625 DIA ✓ 2 x 12' r/l HT:801C AT	24	24	Ø
SS112B4	304 SHEET .120 (11G) ✓ 2 x 4' x 8' HT:854e AT	64	64	Ø
SR384	304 ROU .375 DIA ✓ 2 X 12' R/L HT:1711164 AT	24	24	Ø
SR7164	304 ROU .437 DIA (7/16) ✓ 1 X 12, R/L HT:594F AT	12	12	Ø
SR13	303 ROU 1.000 DIA ✓ 1 X 14' HT:428631 AT	14	14	Ø
DT21818	MS TUB 2.125" X .125" WALL DOM ✓	12	12	Ø

*** Continued on Next Page ***

Shipping Order

25/09/2018

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LONGUEUIL, QUEBEC
J4N 1L7 Tel.: 450 641-3330

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Ship To

DART AEROSPACE LTD
1270, ABERDEEN STREET
HAWKESBURY, ONTARIO
K6A 1K7

Same

Tel.: 1 613 632-3336

Item No.	Description	Qty	Qty. Delivered	B/O Qty
SSQT34340494	1 X 12' ***** HT: 14300498 AT 304 SQ TUBE .750 X .049 WALL ✓ 30 X 20' *****	600	600	Ø
ADS12058	HT: TBK060596 AT ALU TUB .500" X .058" DRANW ✓ 14 X 12' *****	168	168	Ø
MP341H	HT: 171229a6 AT 4140 HTSR PLATE 3.00 THICK ✓ 1 X 3.5" X 96"	314	314	Ø
F18401	HT: 94802 AT KETOS GFS .125 X 4 FL 36 CAN ✓ 3 PCES ✓	3	3	Ø
MP1241H	4140 HTSR PLATE TFHT .500" 1 X .500" X 144" R/L ✓	16	16	Ø
MR341H	HT: 96017 AT 4140 HTSR ROU 3.000 DIA ✓ 1 X 72"	6	6	Ø
DT12065	H: 52041117 AT MS TUB .500 X .065 WALL DOM ✓ 1 X 18.58' HT: F686891 AT	18.58	18.58	Ø

~~Signature~~

Enrè par notre Ammon

*** Continued on Next Page ***



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **PO040984**

Supplier: MES002-VC
Metaux Solutions
2625 boul Jacques-Cartier Est
Longueuil
QC
J4N 1L7 Canada
Phone: 800 558 8858
Fax: 514 633 8044

PO No: PO040984

PO Date: 9/11/18

Due Date: 9/20/18

Purchase Order

Revision:

Revision Date:

Ship-To Contact: Lavoie, Chantal
clavoie@dartaero.com

REVISED

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground

Pynt Terms: Net 30

Freight Terms:

Special Comments: quote no. 28900,28948,29016,28925

Items

Line Item	Job	Part	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
2		M304R0.625	SR584	304 SS Round bar 0.625 : MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276 NOTE: AISI 303 NOT ACCEPTABLE receive ft	Firmed	-	9/28/18	24 ft	0 ft	24 ft	\$4.40/ft	\$105.60
								✓ 24ft		AT 18/10/03		
4		M304R0.375	SR384	304 Round Bar 0.375 : MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276 NOTE: AISI 303 NOT ACCEPTABLE receive ft	Firmed	-	9/28/18	24 ft	0 ft	24 ft	\$2.75/ft	\$66.00
								✓ 24ft		AT 18/10/03		
5		M304R0.4375	SR7164	304 Round Bar 0.4375 : MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276 NOTE: AISI 303 NOT ACCEPTABLE receive ft	Firmed	-	9/28/18	12 ft	0 ft	12 ft	\$3.95/ft	\$47.40
								✓ 12ft		AT 18/10/03		
6		M303R1.000	SR13	303 Round Bar 1.00 : MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582 NOTE: 304/316 NOT ACCEPTABLE receive ft	Firmed	-	9/28/18	12 ft	0 ft	12 ft	\$16.00/ft	\$192.00
								✓ 12ft		AT 18/10/03		
7		M1020TR2.125W.120	DT21818	M1020TR2.125W.120 (.125) receive ft	Firmed	-	9/28/18	12 ft	0 ft	12 ft	\$13.70/ft	\$164.40
								✓ 12ft		AT 18/10/03		



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PURCHASE ORDER **PO040984**

Items

Line Item	Job	Part	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
8		M304TS0.750W.049		304 Sq Tube .75X.75X.049W : MATERIAL: AISI 304/316 SEAMLESS STAINLESS STEEL SQUARE TUBING AS PER ASTM A554 MILL FINISH OR ASTM A269 MILL FINISH receive ft	Firmed	-	9/28/18	600 ft ✓ 600ft	0 ft	600 ft	\$3.80/ft	\$2,280.00 At 18/10/03
9		M6061T6T0.500W.058	ADS12058	6061-T6 Round Tube .500 X.058W : MATERIAL: 6061- T6/T62/T6510/T6511 SEAMLESS TUBING AS PER WW-T-700/8 OR QQ-A-200/8 OR QQ-A-225/8 OR AMS 4080 OR AMS 40 82 OR AMS 4083 OR ASTM B210 OR ASTM B241 receive ft	Firmed	-	9/28/18	168 ft ✓ 168ft	0 ft	168 ft	\$6.75/ft	\$1,134.00 At 18/10/03
10		MT-4140-S- 3.000X3.500	MP341H	AISI 4140 / 4142 Steel Bar 3.000 x3.500 MATERIAL: AISI 4140 / 4142 STEEL BAR MINIMUM ROCKWELL C = 28 Rc MAXIMUM ROCKWELL C = 32 Rc ASTM A29, AMS 6349, AMS 6382, AMS 6529, MIL-S- 5626, MIL-S-24093 MT-4140-	Firmed	-	9/28/18	8 ft ✓ 8ft	0 ft	8 ft	\$113.825/ft	\$910.60 At 18/10/03
11		MT-O1-B-0.125X4.000	F184O1	AISI O1 Tool Steel Bar 0.125 X 4.000	Firmed	-	9/28/18	9 ft ✓ 9ft	0 ft	9 ft	\$25.19/ft	\$226.71 At 18/10/03



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PURCHASE ORDER **PO040984**

Items

Line Item	Job	Part	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
12		MT-4140-S-0.500x0.500	MP1241H	4140 Steel Sheet 0.500 X 0.500 : MATERIAL: AISI 4140 / 4142 STEEL SHEET OR PLATE MINIMUM ROCKWELL C = 28 Rc MAXIMUM ROCKWELL C = 32 Rc ASTM A829, AMS 6395 receive ft	Firmed	-	9/28/18	12 ft ✓ 12 ft	0 ft	12 ft	\$7.295833/ft At 18/10/03	\$87.55
13		M4140H-R3.000	MR341H	4140 Round Bar 3.000 : AISI 4140H ROUND BAR PER AISI4140OR ASTM A304-02/-A-434-BC/- A193-03-GRADE B7/-A29-03/-A322-91 OR UNS#-G41400 MINIMUM ULTIMATE TENSILE STRENGTH=100 KSI MINIMUM YIELD TENSILE STRENGTH=66KSI receive ft	Firmed	-	9/28/18	6 ft / 6 ft	0 ft	6 ft	\$45.95/ft At 18/10/03	\$275.70
14		MT-A513-T-0.500W0.065	DT12065	A513 Seamless Alloy Steel Round Tubing 0.500"dia. x 0.065" Wall MATERIAL: ASTM A513 TYPE 5 (1020/1026) SEAMLESS ALLOY STEEL ROUND TUBING (DOM) ASTM A513 TYPE 5	Firmed	-	9/28/18	24 ft 18.58 ft	0 ft	24 ft	\$3.50/ft At 18/10/04	\$84.00

Grand Total: \$5,573.96



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Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER
PO040984

Order Notes

Procurement Quality Clauses

A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)
A026 certification of material conformance
A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

CL

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 10/3/18 7:23 AM dart.lavoie.chantal

THE TYPICAL ANALYSIS FOR 0-1 PRECISION GROUND MATERIAL IS AS FOLLOWS:

CARBON (C) 0.85-1.00

MANGANESE (MN) 1.00-1.40

PHOSPHORUS (P) 0.030

SULFUR (S) 0.030

SILICON (SI) 0.10-0.50

CHROMIUM (CR) 0.40-0.70

VANADIUM (V) 0.30

TUNGSTEN (W) 0.40-0.60

MATERIAL HARDNESS IS AS FOLLOWS:

BRINELL 177-212

ROCKWELL B88-95

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: AISI D1 TOOL STEEL BAR
DIN 1.2510 or B.S. BO 1 or
SAE J437 or SAE J438
or UNS T31501 or ASTM A681

SPECIFICATION:

PART NUMBER: MT-O1-B-[H.HHH]x[W.WWW]
WHERE "H.HHH" = HEIGHT IN INCHES
WHERE "W.WWW" = WIDTH IN INCHES
EG. 4"x6" BAR = MT-O1-B-4.000x6.000

TOLERANCES PER MANUFACTURER SPECIFICATIONS

PART AEROSPACE		Hendelbury, Ontario, Canada	
TITLE AISI O1 TOOL STEEL BAR			
PART NO. MT-O1-B		REV A	
DESIGN BY: SAC 08/07/2017	DATE 17/08/2017	SCALE 1:1	
CHECKED BY: SAC 08/07/2017	DATE 17/08/2017	TOLERANCES FRACTIONS 1/16 DECIMALS .01 ANGLES 1.5°	
QA APPR.: PD 08/08/2017	DATE 17/08/2017	1. UNLESS OTHERWISE SPECIFIED 2. DIMENSIONS ARE IN INCHES 3. DIMENSIONAL LIMITS APPLY 4. DIMENSIONS IN PARENTHESES ARE 5. DIMENSIONS IN PARENTHESES ARE	
APPROVED BY: SAC 08/07/2017			
DATE: 9/7/2017 SCALE: NTS WEIGHT: N/A LBS SHEET 1 OF 1			
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EUN 7-149

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: MT-01-B-D.25X4.000
 DATE: 18/10/10

PO / BATCH NO.: P0040984 / S116905

MATERIAL CERT REC'D: Yes
 QUANTITY RECEIVED: 9ft
 QUANTITY INSPECTED: 9ft
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 0.125"
 THICKNESS RECEIVED: 0.125"
 SHEET SIZE ORDERED: -
 SHEET SIZE RECEIVED: -

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y (N)	
CORRECT FINISH	(Y) N	
CORROSION	Y (N)	
CORRECT GRAIN DIRECTION	(Y) N	
CORRECT MATERIAL PER M-DRAWING	(Y) N	0-1
CORRECT THICKNESS	(Y) N	
PHOTO REQUIRED	Y (N)	
CORRECT REF # TO LINK CERT	(Y) N	P0040984
CORRECT MATERIAL IDENTIFICATION	(Y) N	
CORRECT M# ON THE MATERIAL	(Y) N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y (N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y (N)	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>AT</u>	SIGNED OFF BY: _____
DATE: <u>18/10/10</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

8 7 6 5 4 3 2 1

REV.	DESCRIPTION	ECN #	DATE	BY	APPROVED
A	NEW RELEASE	17-555	17.09.06	VM	WM
B	TYPE 5 ADDED. TEMPLATE UPDATED	17-790	17.12.13	VM	ML

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: ASTM A513 TYPE 5 (1020/1026) SEAMLESS ALLOY STEEL ROUND TUBING (DOM)

SPECIFICATION: ASTM A513 TYPE 5

PART NUMBER: MT-A513-T-ID.DDDJ(WT.TTT)

WHERE D.DDD IS OUTSIDE DIAMETER IN INCHES

WHERE T.TTT IS WALL THICKNESS IN INCHES

EG. 3/4" ROUND TUBING WITH .120" WALL THICKNESS = MT-A513-T-0.750W0.120

DART AEROSPACE Hamilton, Ontario, Canada	
TITLE ASTM A513 TYPE 5 (1020/1026) ALLOY STEEL ROUND TUBING (DOM)	
PART NO. MT-A513-T	REV B
TOOL NO.	
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES FRACTIONS SHALL BE IN 16ths DECIMALS SHALL BE TO 3 PLACES DIMENSIONS APPLY AFTER FINISHING	
DESIGNED BY: VM 17/12/13	TOLERANCES: ±.015
DRAWN BY: VM 12/13/2017	ANGLES: ±.5°
CHECKED BY: ML 12/20/2017	FINISH: XX ±.1
APPROVED BY: ML 12/20/2017	ROUGHNESS: X ±.1
SCALE: NTS	
SHEET 1 OF 1	
COPYRIGHT © 2017 BY DART AEROSPACE LTD	
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR FOR ANY OTHER THAN THE PURPOSE FOR WHICH IT WAS SUPPLIED WITHOUT THE WRITTEN CONSENT OF DART AEROSPACE LTD.	

8 7 6 5 4 3 2 1

📧 Reply all | ▾ Delete Junk | ▾ ...

FW: Message from DartAerospace QualityAssurance C224e

CL Chantal Lavoie

Today, 7:21 AM

Andrew Tollis ▾

📧 Reply all | ▾

Inbox

Numérisé depuis MFP-0...

41 KB



✓ Show all 1 attachments (41 KB) Download Save to OneDrive - Eagle Copters Ltd

Hi Andrew,

Here the info missing for po040984, please see below.

Thanks

Chantal

From: Martin Bibeau <m.bibeau@metauxsolutions.com>

Sent: Tuesday, October 09, 2018 1:06 PM

To: Chantal Lavoie <clavoie@dartaero.com>

Subject: RE: Message from DartAerospace QualityAssurance C224e

Hi, here's the chemical composition for O-1 flat ground, there is no heat # for that material,

And the heat # for tube ½" diameter is: F 686891,

Sorry for the quality of mill test,

Thanks, Martin

De : Chantal Lavoie [<mailto:clavoie@dartaero.com>]

Envoyé : Tuesday, October 9, 2018 11:39 AM

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: MT-A513-7-0.500W0.065

PO / BATCH NO.: P0040984/5116906

DATE: 8/10/10

MATERIAL CERT REC'D: Yes

THICKNESS ORDERED: 0.500"

QUANTITY RECEIVED: 18.58 ft

THICKNESS RECEIVED: 0.500"

QUANTITY INSPECTED: 18.58 ft

SHEET SIZE ORDERED: -

QUANTITY REJECTED: 0

SHEET SIZE RECEIVED: -

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
CORROSION	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	<u>ASTM A513 TS</u>
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
PHOTO REQUIRED	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	<u>MT-F686891</u>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>MT</u>	SIGNED OFF BY: _____
DATE: <u>8/10/10</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in